STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

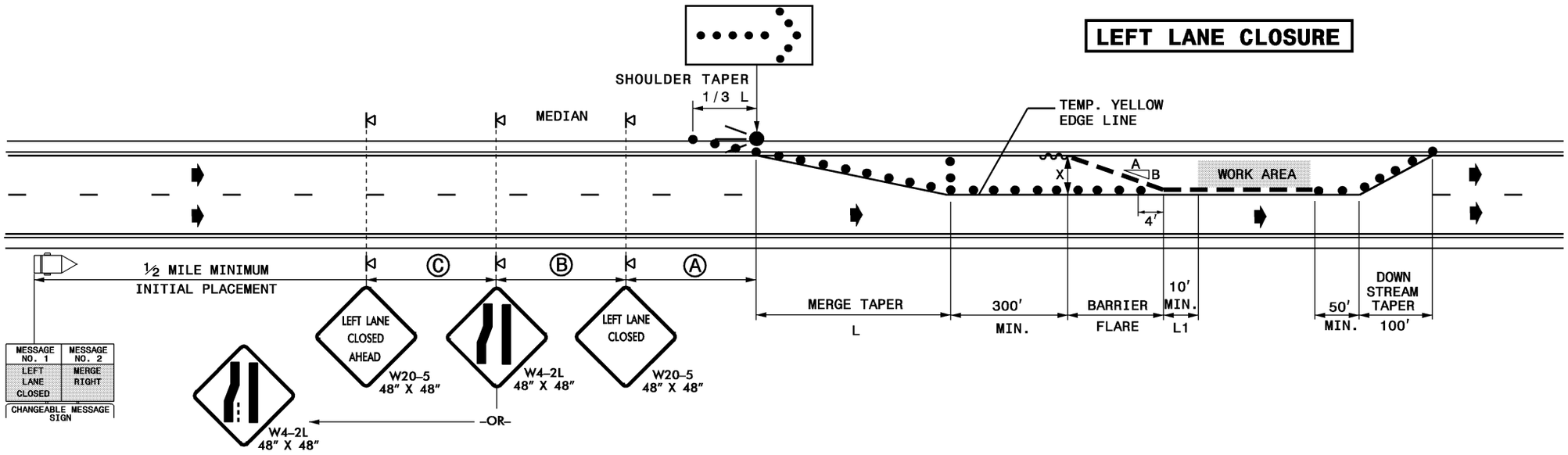
7-06

ENGLISH STANDARD DRAWING FOR

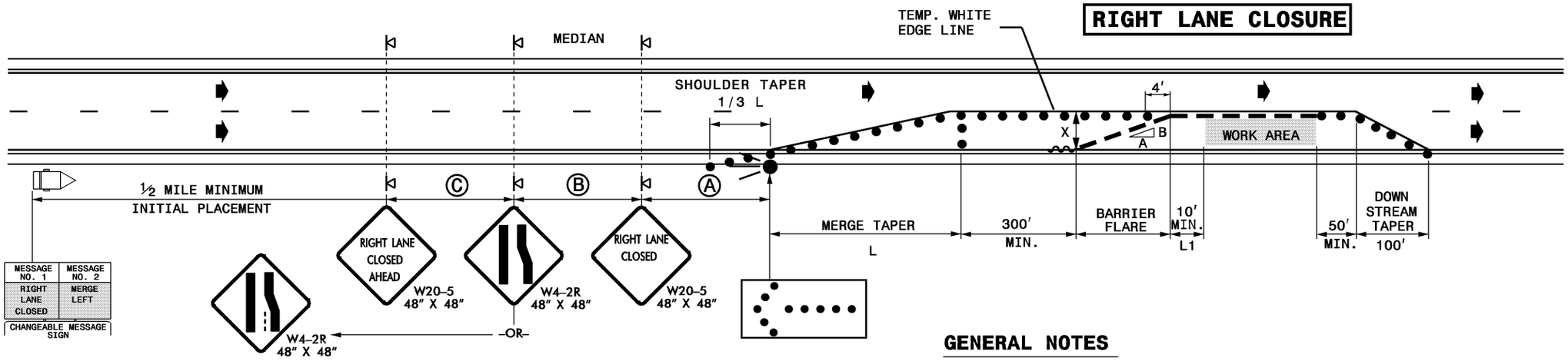
TEMPORARY LANE CLOSURES USING PORTABLE CONCRETE BARRIER

DIVIDED MULTI-LANE ROADWAY-1 LANES CLOSED

LEFT LANE CLOSURE



RIGHT LANE CLOSURE



LEGEND

- PORTABLE CONCRETE BARRIER
- CRASH CUSHION
- FLASHING ARROW PANEL (TYPE C)
- TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
- DRUM
- PORTABLE SIGN
- CHANGEABLE MESSAGE SIGN (CMS)
- DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

1-REFER TO STD. 1101.11 SHEETS 1, 3 & 4 FOR "L" DISTANCE, BARRIER FLARE RATES AND SIGN SPACING.

2-CRASH CUSHIONS ARE REQUIRED ONLY WHEN THE LATERAL OFFSET DISTANCE "X" IS LESS THAN 30 FEET (CLEAR ZONE).

3-IF THE BOUNDARIES OF THE WORK AREA ARE CONFINED TO THE LANE BEING CLOSED, L1 IS EQUAL TO 10 FEET UNLESS EXTRA ROOM IS NEEDED FOR STAGING AND STORAGE OF EQUIPMENT. IF THE BOUNDARIES OF THE WORK AREA ARE NOT CONFINED TO THE LANE BEING CLOSED, REFER TO THE "AASHTO ROADSIDE DESIGN GUIDE" FOR APPLICABLE VALUES FOR L1.

4-REFER TO THE "AASHTO ROADSIDE DESIGN GUIDE" MINIMUM LENGTH OF NEED OF PORTABLE CONCRETE BARRIER NEEDED TO PROTECT THE WORK AREA.

5-PORTABLE SIGNS MAY BE USED IN LIEU OF STATIONARY SIGNS FOR SHORT TERM LANE CLOSURES (3 DAYS OR LESS).

6-REFER TO NOTES ON STD. 1101.02 SHEET 3 FOR ADDITIONAL REQUIREMENTS.

8-PLACE CHANGEABLE MESSAGE SIGN (CMS) ON THE OUTSIDE OF THE TRAVELWAY AS DIRECTED BY THE ENGINEER. PLACE CMS APPROXIMATELY ½ MILE IN ADVANCE OF THE W20-5 SIGNS. IF TRAFFIC BACKS UP TO WHERE THE CMS IS INITIALLY PLACED, RELOCATE CMS ½ MILE FORM ANTICIPATED BACKUP. CONTINUE TO MONITOR TRAFFIC, MOVE CMS APPROXIMATELY ½ MILE IN CONJUCTION WITH ANTICIPATED BACKUP.

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SHEET 8 OF 9
1101.02